

Matrix 6.1: Baseline - Site Impacts & Effects Risk Matrices

Existing Source / Hazard Magnitude	Potential Impacts	Existing Receptor Sensitivity (Tab 6.2)	Existing Effects (Table 6.4)	Existing Strength of pathway	Existing Likelihood (Tab 6.5)	Existing Risk (Tab 6.6)	Notes
Contaminated soils Very Low hazard rating Greenfield Site No significant sources of contamination identified.	Inhalation, ingestion and dermal contact	Site Workers (Current) (L)	Negligible	Weak	Unlikely	Very Low Risk	No specific Contamination sources identified. No contamination identified within soil or Groundwater. No elevated or abnormal soil or ground gas levels detected. Potential for possible minor areas of contamination plausible but in very small areas and considered to be very low likelihood of any significant contamination. See; <ul style="list-style-type: none"> - Preliminary Sources Study Reports - Factual Ground Investigation reports - Preliminary Ground Investigation Interpretative Reports.
	Inhalation, ingestion and dermal contact	Adjacent Site Users (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
	Contamination of local surface water features via run off	Surface Water (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
	Contamination of Principal/Secondary aquifer	Groundwater (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
Contaminated groundwater Very Low hazard rating Greenfield Site No significant sources of contamination identified.	Ingestion and dermal contact with contaminated water	Site Workers (Current) (L)	Negligible	Weak	Unlikely	Very Low Risk	
	Contamination of local surface water features via run off or groundwater	Surface Water Features (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
	Contamination of Principal/Secondary aquifer	Groundwater (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
Contaminated dusts Very Low hazard rating Greenfield Site No significant sources of contamination identified.	Inhalation of contaminated dusts	Site Workers (Current) (L)	Negligible	Weak	Unlikely	Very Low Risk	
	Inhalation of contaminated dusts	Adjacent Site Users (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
Ground gases Very Low hazard rating no significant sources of gas identified or recorded.	Inhalation of ground gases, explosive risk	Site Workers (Current) (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	
	Inhalation of ground gases, explosive risk	Adjacent Site Users (H)	Moderate/Minor	Weak	Unlikely	Low / Very Low Risk	